

REPORT
OF THE
DEPARTMENT OF HEALTH
OF THE
PANAMA CANAL
FOR THE
MONTH OF AUGUST, 1914

CHAS. F. MASON

Lieut. Colonel, Medical Corps, United States Army
Chief Health Officer, Ancon, Canal Zone

Gift of the Panama Canal Museum

WASHINGTON

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LETTER OF TRANSMITTAL.

THE PANAMA CANAL,
DEPARTMENT OF HEALTH,
Ancon, Canal Zone, September 11, 1914.

To the GOVERNOR OF THE PANAMA CANAL,
Balboa Heights, Canal Zone.

SIR: I have the honor to submit the following report of the operations of the department of health for the month of August, 1914.

Very respectfully,

CHAS. F. MASON,
Chief Health Officer.

GENERAL REMARKS.

No cases of yellow fever, smallpox, or plague originated on or were brought to the Isthmus during the month.

VITAL STATISTICS.

EMPLOYEES.

The health of the employees continues very good. The number of names on the rolls for the preceding month was 44,132.

The total number of admissions to hospitals and quarters was 1,352, a rate of 367.62 per thousand per annum, as compared with 366.57 for the preceding month, and 543.71 for the corresponding month of last year.

The total number of deaths from all causes was 24. Of these, 12 died from disease, or 3.26 per thousand per annum, as compared with 4.12 for the preceding month and 4.31 for the corresponding month of last year. The diseases causing the largest number of deaths were as follows: Nephritis, acute and chronic, 4; organic disease of heart, 2. No other disease caused more than one death.

The total annual admission rate for malaria, hospitals and quarters, was 89.73, and the total noneffective rate 1.95, each rate being lower than for the preceding month and lower than for the same month of last year.

The diseases next to malaria causing the highest admission rates, in the order of their numerical importance, were diseases of the digestive system, venereal diseases, diseases of the respiratory system and of the nervous system. These five classes of diseases caused 59 per cent of all admissions to hospitals.

There was but 1 admission for typhoid fever, giving a rate of 0.27 per thousand per annum, as compared with 0.26 for the preceding month, and 0.41 for the corresponding period of last year.

EFFECTS OF RACE.

The admission rate to hospitals and death rate for disease for black employees were 128.06 and 2.90 per thousand per annum, as compared with 358 and 5.26 for white employees. The noneffective rate for disease and injuries for black employees per thousand was 10.05, as compared with 18.25 for white employees.

The admission rate to hospitals and quarters for malaria was 70.47 per thousand per annum for blacks, as compared with 194.79 for whites.

This month for the first time we have been able to separate the statistics for white Americans from those for white Europeans; the former had a strength of 5,178; the latter 1,660, mostly Spaniards. While the death rate for white Americans was 6.95 and there were no deaths among the white Europeans, the admission rate for disease for the latter was 404.82, as compared with 342.99 for Americans, and the noneffective rate 30.37, as compared with 10.56 for Americans. The admission rate for malaria was also much higher among the Europeans, being 231.33, as compared with 57.94 for Americans.

DEPORTATIONS.

There were 38 deportations accomplished during the month, divided as follows: Employees, 12; nonemployees, 26; for disease, 37; and for injury, 1.

CANAL ZONE.

The population of the Canal Zone according to a recent census is 37,702, among whom there was a total of 60 deaths; of these, 51 deaths were from disease, giving a rate of 16.23 per thousand per annum, as compared with 14.64 for the preceding month and 15.21 for the corresponding month of last year. Of the total deaths from disease, the percentage under 5 years of age was 45, compared with 35 last month.

There were only 45 births reported, giving a rate of 14.32 per thousand per annum. Of these births, 11 were of white and 34 of colored children. There were no deaths of white and 21 deaths of colored children under 1 year of age, giving an infant mortality of 618 for colored children. Either the registration of births is very incomplete or the infantile mortality is enormous; in my opinion, the former is probably the case, but steps are being taken to check up the registration.

PANAMA CITY.

The estimated population of the city is 62,172, among whom there was a total of 133 deaths; of these, 122 deaths were from disease, giving a rate of 23.55 per thousand per annum, as compared with 33.20 for the preceding month, and 30.52 for the corresponding month of last year. Of the total deaths from disease, the percentage under 5 years of age was 49, compared with 47 last month. The principal causes of death showing an increase were acute bronchitis and pneumonia. The infant mortality was 173 per thousand. A census of the city was taken during the month, but the result is not available in time for this report.

COLON.

In Colon, with an estimated population of 20,232, there were 39 deaths; of these, 38 deaths were from disease, giving a rate of 22.54 per thousand per annum, as compared with 39.14 for the preceding month, and 24.32 for the corresponding month of last year. Of the total deaths from disease the percentage under 5 years of age was 58, compared with 47 last month. The infant mortality was 173 per thousand.

HOSPITAL DIVISION.

ANCON HOSPITAL.

The number of patients admitted has continued to decrease, as has been the case for some months past. During the month the average number of patients constantly in hospital was 558, the lowest since May, 1908.

The net per capita cost for hospital treatment went up from \$0.396 in July to \$0.593 in August. This was due largely to the auditor's decision that no credit should be taken for treatment of charity patients during the month.

BOARD OF HEALTH LABORATORY.

The following work, in addition to the routine, was performed:

Interesting and satisfactory experimental catches were obtained with a cockroach trap after the type devised by S. A. Graham, of the Minnesota Experiment Station. The trap catches and retains the roaches, and this would seem to be a more satisfactory method of treating these pests than by means of poison, particularly in households where there are young children. The trap is easily constructed, and banana skins are a satisfactory bait. For general use the double-cone device might be constructed of tin of such size and length that it could be adapted to an ordinary pickle, candy, or other wide-mouth bottle, thus completing the trap.

Apparatus, material, photographs, etc., are being prepared and collected for the exhibits at Panama and at the San Francisco Exposition.

Observations are being continued on the bionomics of *Stegomyia scutellaris*, citrus tree moths, and the relation of *Anopheles albimanus* to *A. tarsimaculata*.

A series of examinations of placental and peripheral blood smears are being made with relation to the diagnosis of malaria. The stools and urines of all employees handling food and drink are being examined for the detection of disease carriers.

Observations are being made on the initial bacterial count of milk from Panama dairies and the rate of bacterial increase under local conditions of handling.

FARM FOR DISABLED.

The per capita cost of the disabled was \$0.416, as compared with \$0.246 in July. This was largely the result of a decreased yield of farm products caused by the heavy rains.

In addition to the usual farm work, grading for the proposed dairy buildings was begun and about 90 per cent completed.

INSANE DEPARTMENT.

There were only 13 admissions to the asylum during the month, 1 of these being a patient who eloped during the month and was readmitted. Twenty-six of the 30 discharged were deported to Jamaica and Barbados.

Several patients at the Corozal farm proved refractory, attempted to escape, or were not inclined to work, and were returned to the asylum. They were replaced by other inmates, thus keeping the total insane working force at that place up to 40. In other respects the conditions among the insane men assigned to the farm and the work performed by them were very satisfactory.

Detailed statistics are shown in Table XIII.

COLON HOSPITAL.

On July 15 the Cristobal dispensary was moved to Colon Hospital and consolidated with that institution, of which it now forms the outpatient department. This move was in the direction of economy and efficiency.

Congress having passed an act providing that the Colon Hospital site and buildings should be converted to the use of the Colon quarantine station, the buildings and grounds have been divided into two parts for that purpose, the southern end being assigned to the quarantine station and the northern to the hospital.

The highest number of patients treated on any one day during the month was 54; the lowest number, 40; the daily average being 44.41. The average number of employees constantly sick was 34.28. The average number of days treatment per employee was 9.17.

CHRONIC WARD.

There were 30.22 chronic and incurable patients constantly cared for during the month.

Detailed statistics are shown in table XIV.

PALO SECO LEPER ASYLUM.

The number of patients under treatment at the end of the month was 50, a decrease of 1 from the previous month.

Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

During the month a total of 1,307 patients were treated in the wards, a decrease of 1 patient over the previous month. The daily average of patients in hospital was 379, an increase of 17 over the month of July. The total number of hospital days was 11,686; the subsistence cost, \$0.2435; and the per capita cost, \$0.8159.

The total deaths were 56, of which number 7 came from Colon.

The number of deaths for August was 21 less than for the month of July.

During the month 84 babies were born in the maternity home, as against 80 for the month preceding.

During the last days of the month there was an increased admission for beriberi, the majority of cases coming from the Chiriqui prison.

The hospital is being taxed almost to its capacity. This is due as much to the greatly increased population as to the increased morbidity usually experienced at this season of the year.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSARIES.

On August 8 the Naos Island dispensary was turned over to the Army, on August 15 Cristobal dispensary was consolidated with Colon Hospital, and on the 31st the dispensary at Empire was closed, thus leaving only the dispensaries at Gatun, Culebra, Paraiso, Pedro Miguel, Corozal, and Balboa in charge of physicians and subdispensaries at Margarita Point and Gamboa Penitentiary in charge of male nurses.

The dispensary having the highest admission rate for malaria was Toro Point, with an average weekly percentage of 0.80, while Culebra had no admissions from this disease during the month.

Detailed statistics are shown in Table IX.

SANITATION.

CANAL ZONE.

The malaria rate remains low; the total number and percentage of employees sick with the disease were smaller than last year. Efforts have been made continuously to bring all malaria cases under treatment and to keep them under treatment for a sufficiently long time to free them from the disease, and a larger proportion of cases now receive thorough treatment than formerly did so. Nevertheless, many cases still take but a short course of treatment, and very much remains to be accomplished. The failure to get all cases to continue treatment is due partly to indifference on the part of patients, partly to ignorance.

New hydraulic fills in the neighborhood of Ancon and Panama have required extensive antimosquito work, which has in general been very successful.

The situation in regard to typhoid has been excellent, there being no case during the month.

All employees in Panama Canal hotels and restaurants have been examined physically and had their stools and urine examined for the germs of typhoid, paratyphoid, and dysentery. One chronic typhoid carrier was detected—a waiter in the silver mess at Corozal—and was at once sent to hospital. A few men were also excluded from work for other reasons.

As will be seen in Table XVII, the number of work requests on other departments shows a decrease, which is due to the fact that oilers are doing such work as they are able to do without neglecting necessary oiling. There has also been an increase in the number of rat traps used and in the notices served to abate nuisances.

Detailed statistics are shown in Table XVII.

PANAMA.

CONTAGIOUS DISEASES.

No typhoid, diphtheria, or scarlet fever were found or reported in this district for the month.

MALARIA.

There has been an apparent increase in malaria during the month. This is probably due to the extensive building operations and excavation work which are being carried on in the outskirts of the city.

BUILDING OPERATIONS.

During the month 131 buildings were condemned. Activities on this phase of the work have ceased temporarily owing to the renumbering of the houses of the city, which is now in progress. Exactly 50 per cent of the work is completed on all permits issued since April 1.

Property owners can now secure gravel for use in their cement work, and this arrangement has greatly facilitated the work now being carried on. The rat-proofing features of all new buildings and buildings undergoing repairs are given marked attention.

MOSQUITO, RAT, AND FLY WORK.

The number of mosquito breeding places found is again reduced for the month, and very few complaints have been made arising from the presence of mosquitoes. As to the fly-breeding situation there does not seem to be much improvement except in the reduction of the number of breeding places found, although apparently there has been marked increase during the latter part of the month in the number of flies. There was a catch of 683 rats for the month, all of which were sent to the laboratory and were found negative for plague upon examination.

SCORE CARDS.

Hotels, restaurants, bottling works, ice-cream parlors, dairies, and bakeries were inspected at regular intervals, and score of the conditions existing in these establishments shows some improvement.

STREET CLEANING.

The street-cleaning service has moved along smoothly, and though the department has not been able to install the new street sweeper, it is expected to do so as soon as there are teams available.

GARBAGE COLLECTION.

The collection of garbage was satisfactorily maintained during the month and all garbage was satisfactorily cremated at the dump. The use of wagons for collection of garbage at night in certain districts is meeting with success.

Detailed statistics are shown in Table XVII.

COLON.

An arrangement has been made with the municipality for a monthly report of births to be submitted to this office.

An inspection of all public schools in the district was made and they were found to be in very good condition.

The new drainage system and mosquito work on Mindi Island has been maintained and great progress has been made during the past month.

Forty-three houses in the settlement of Guava Ridge and 23 houses of squatters in Florence Town settlement were condemned for sanitary reasons; also 20 cars of the Panama Railroad Co. camp at Cristobal. Some of the latter have already been removed.

The arrangement with the Panama Railroad Co. for providing docking facilities for small coastwise craft has been made, and the work of remodeling pier No. 2 for this purpose is already in progress. The destruction of the old Pacific Mail Pier, which was condemned for sanitary reasons, is in progress. The progress of vaccination has been temporarily suspended until the arrival of additional vaccine.

There were no cases of communicable diseases during the month.

PROTECTION OF BREADSTUFFS.

The efforts to secure adequate protection to breadstuffs were carried to the point where these products offered for sale at retail in the bakeries are now being wrapped in individual packages and kept in stock in this condition. All the breadstuffs are kept in fly and dust proof cases. Shopkeepers are being made to similarly protect these products. Street vendors keep their sweets and cookies in glass cases, as these products are too sticky to be wrapped, and these vendors also say very strongly that the public will not buy their wares unless they can see them. Posters in four languages are being placed over the city explaining the necessity of this action. It is intended as soon as these posters are out to enforce the regulations in every shop and stall in the city. Four prosecutions were made in this work and convictions secured in each case.

RAT EXTERMINATION.

The work against rat infestation has been continued by condemnation of some buildings and by vigorous efforts to enforce the proper disposal of garbage, by having food in stables protected, and by experiments with different types of traps. Five different types are being used and one more is now under construction; two of these are much more efficient than the others. A number of rats have been caught alive and are used in these experiments. Two different species have been caught. An important observation was recorded in finding that certain small carnivorous ants get on meat or greasy food used for bait and greatly reduce the efficiency of trapping, as the rats will not enter traps infested by these ants. By using a strip of "Hoo-doo" ant paper around the outer base of the traps this has been overcome.

Detailed statistics are shown in Table XVII.

QUARANTINE SERVICE.

The decrease in traffic—passenger boats—has been quite largely made up by an increase in freight boats passing through the canal, the total number of vessels arriving for the past month being 124, as against 127 in the previous month.

The plague situation in New Orleans is apparently as good as can be expected. The number of human cases appears to be decreasing, while a good many rodent cases are being discovered in various parts of the city. The plague situation in Habana has shown a decided improvement and no human cases have occurred for some time. The situation at Santiago seems to be worse than at Habana, and it is largely on account of the situation there that we are continuing our quarantine against passengers from Cuba.

During the month certain cases of plague have occurred at Liverpool. No additional data regarding the situation there has been received. The plague situation in South America remains about the same, and yellow fever in Ecuadorean ports is still reported.

No diseases of a quarantinable nature have arrived on the Isthmus during the month.

Detailed statistics are shown in Table XVIII.

STATISTICAL TABLES.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES: DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE CANAL ZONE.

ABSOLUTE NUMBERS.

Color.	Number of employees.	Admissions to hospitals.			Died.			Noneffective from sickness.	
		Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated	Constantly noneffective.
<i>August, 1914.</i>									
White....	6,838	238	204	34	3	3	.....	3,869	124.81
Colored..	37,294	550	398	152	21	9	12	11,619	374.80
Total..	44,132	788	602	186	24	12	12	15,488	499.61
<i>July, 1914.</i>									
White....	7,113	267	229	38	5	1	4	3,916	126.33
Colored..	39,503	688	499	189	22	15	7	11,983	386.56
Total..	46,616	955	728	227	27	16	11	15,899	512.89
<i>August, 1913.</i>									
White....	12,377	736	625	111	5	3	2	11,658	376.05
Colored..	46,088	1,037	706	331	34	18	16	16,420	529.68
Total..	58,465	1,773	1,331	442	39	21	18	28,078	905.73

TABLE I.—ADMISSIONS, DEATHS, ETC.—Continued.

PROPORTIONATE NUMBERS.¹

Color.	Num- ber of em- ployees.	Admissions to hospitals.			Died.			Noneffective from sickness.	
		Total.	Dis- ease.	Exter- nal causes.	Total.	Dis- ease.	Exter- nal causes.	Days treated.	Con- stantly nonef- fective.
<i>August, 1914.</i>									
White....	6,838	417.66	358.00	59.66	5.26	5.26	.....	.....	18.25
Colored..	37,294	176.97	128.06	48.91	6.76	2.90	3.86	.....	10.05
Total..	44,132	214.27	163.69	50.58	6.52	3.26	3.26	.....	11.32
<i>July, 1914.</i>									
White....	7,113	450.44	386.33	64.11	8.44	1.69	6.75	.....	17.76
Colored..	39,503	208.99	151.58	57.41	6.68	4.56	2.12	.....	9.78
Total..	46,616	245.84	187.40	58.44	6.95	4.12	2.83	.....	11.00
<i>August, 1913.</i>									
White....	12,377	713.58	605.96	107.62	4.84	2.91	1.94	.....	30.38
Colored..	46,088	270.00	183.82	86.18	8.85	4.69	4.16	.....	11.50
Total..	58,465	363.91	273.19	90.72	8.00	4.31	3.69	.....	15.49

Place.	Popula- tion.	Deaths.			Annual average per 1,000.		
		Total.	Dis- ease.	Exter- nal. causes.	Total.	Dis- ease.	Exter- nal. causes.
<i>August, 1914.</i>							
Panama.....	62,172	133	122	11	25.67	23.55	2.12
Colon.....	20,232	39	38	1	23.13	22.54	.59
Canal Zone.....	37,702	60	51	9	19.10	16.23	2.86
Total.....	120,106	232	211	21	23.18	21.08	2.10
<i>July, 1914.</i>							
Panama.....	62,172	176	172	4	33.97	33.20	.77
Colon.....	20,232	68	66	2	40.33	39.14	1.19
Canal Zone.....	37,702	54	46	8	17.19	14.64	2.55
Total.....	120,106	298	284	14	29.77	28.37	1.40
<i>August, 1913.</i>							
Panama.....	47,172	124	120	4	31.54	30.52	1.02
Colon.....	20,232	42	41	1	24.91	24.32	.59
Canal Zone.....	62,342	96	79	17	18.48	15.21	3.27
Total.....	129,746	262	240	22	24.23	22.20	2.03

¹ Annual average per 1,000.

TABLE II.—DEATHS BY AGE, COLOR, AND SEX.

Age.	White.			Colored.			Yellow.			Totals.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year.....	3	3	6	45	38	83	.....	.....	.....	48	41	89
1 to 4 years.....	.....	1	1	7	8	15	.....	.....	.....	7	9	16
5 to 10 years.....	1	.....	1	3	1	4	.....	.....	.....	4	1	5
11 to 20 years.....	.....	.....	.....	3	4	7	.....	.....	.....	3	4	7
21 to 30 years.....	3	1	4	27	9	36	1	.....	1	31	10	41
31 to 40 years.....	4	3	7	19	8	27	.....	.....	.....	23	11	34
41 to 50 years.....	3	.....	3	7	6	13	.....	.....	.....	10	6	16
51 to 60 years.....	.....	.....	.....	4	3	7	.....	.....	.....	4	3	7
61 to 70 years.....	.....	.....	.....	6	1	7	.....	.....	.....	6	1	7
71 to 80 years.....	1	.....	1	1	1	2	.....	.....	.....	2	1	3
81 to 90 years.....	.....	.....	.....	.....	1	1	1	.....	1	1	1	2
Not stated.....	1	1	2	3	.....	3	.....	.....	.....	4	1	5
Total.....	16	9	25	125	80	205	2	.....	2	143	89	232

TABLE III.—DEATHS BY NATIONALITY.

Nations.	Employees.	Non-employees.	Total.
Barbados.....	9	15	24
Brazil.....	.....	1	1
China.....	.....	2	2
Colombia.....	.....	4	4
Denmark.....	.....	1	1
Ecuador.....	.....	1	1
England.....	.....	1	1
France.....	.....	1	1
Grenada.....	2	1	3
Guadeloupe.....	1	.....	1
Italy.....	.....	2	2
Jamaica.....	5	34	39
Martinique.....	1	5	6
Mexico.....	.....	1	1
Panama.....	1	123	124
Santo Domingo.....	.....	1	1
Spain.....	.....	1	1
St. Lucia.....	1	5	6
St. Thomas.....	1	.....	1
St. Vincent.....	.....	2	2
Trinidad.....	.....	1	1
United States.....	3	6	9
Total.....	24	208	232

TABLE IV.—DEATH RATE AMONG AMERICANS ON THE ISTHMUS CONNECTED WITH THE PANAMA CANAL.

	Cases.	Cause of death.	Number of deaths.	Annual average per 1,000.
White employees from the United States.....	5,178	Disease.....	3	6.95
		Violence.....	3	6.95
		All causes.....	3	10.12
White women and children from the United States.....	3,557	Disease.....	3	8.24
		Violence.....	6	8.24
		All causes.....	6	8.24
White employees and their families from the United States...	8,735	Disease.....	6	6.44
		Violence.....	1	1.07
		All causes.....	7	7.51
Total number of Americans on the Canal Zone.....	11,174			

TABLE V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD.

Causes of death.	White.	Colored.	Total.
Disease:			
Acute nephritis.....	1	1	2
Chronic nephritis.....		2	2
Cholecystitis.....	1		1
General peritonitis.....		1	1
Infection of undetermined origin.....		1	1
Intestinal obstruction.....		1	1
Lobar pneumonia.....		1	1
Pericarditis.....		1	1
Organic disease of heart.....	1	1	2
Violence:			
Accidental drowning.....		4	4
Lightning.....		1	1
Suicide by drowning.....		1	1
Traumatism in quarry.....		1	1
Traumatism by machines.....		2	2
Railroad traumatism.....		3	3
Total.....	3	21	24

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE.

Disease.	Pana- ma.	Colon.	Canal Zone.	Total.
<i>General diseases.</i>				
Malarial fever:				
Estivoautumnal.....	1	2		3
Tertian.....	1			1
Undetermined.....	3			3
Clinical.....		1	1	2
Cachexia.....	1			1
Hemoglobinuric fever, malarial.....			1	1
Diphtheria and croup.....	1			1
Erysipelas.....	1			1
Pyemia.....			1	1
Septicemia.....	1			1
Pyemia and septicemia, pneumococcic.....	1		1	2
Tetanus.....	2			2
Pellagra.....		1	1	2
Beriberi.....	1			1
Tuberculosis of the lungs.....	21	5	4	30
Acute miliary tuberculosis.....			1	1
Tuberculous meningitis.....		1		1
Disseminated tuberculosis.....			1	1
Cancer and other malignant tumors of the buccal cavity.....	1			1
Cancer and other malignant tumors of the stom- ach and liver.....			1	1
Cancer and other malignant tumors of the female genital organs.....	1			1
Acute articular rheumatism.....	1			1
Anemia, secondary, cause not determined.....			1	1
Alcoholism (chronic).....	1			1
<i>Diseases of the nervous system and of the organs of special sense.</i>				
Acute anterior poliomyelitis.....	1			1
Cerebral hemorrhage, apoplexy.....	1	1		2
Softening of the brain.....	1	1	1	3
<i>Diseases of the circulatory system.</i>				
Pericarditis.....		1		1
Acute endocarditis.....	1			1
Organic diseases of the heart.....	3	1	2	6
Diseases of the arteries, atheroma, aneurysm, etc.....		1		1
Arteriosclerosis.....	1			1
<i>Diseases of the respiratory system.</i>				
Acute bronchitis.....	9	2		11
Bronchopneumonia.....	8	5	4	17
Pneumonia (unqualified).....	2			2
Lobar pneumonia.....	4	3		7
Pleurisy.....	1			1
<i>Diseases of the digestive system.</i>				
Acute gastritis.....	1	1		2
Diarrhea and enteritis (under 2 years).....	20	2	6	28
Colitis.....	1			1
Diarrhea and enteritis (2 years and over).....	2			2
Colitis.....	1			1
Acute appendicitis.....			1	1
Intestinal obstruction.....	1		1	2
Cirrhosis of the liver.....	1			1
Cholecystitis.....			1	1
Simple peritonitis (nonpuerperal).....			1	1

TABLE VI.—CAUSES OF DEATHS OF EMPLOYEES AND CIVIL POPULATION AND PLACES WHERE CHARGEABLE—Continued.

Disease.	Panama.	Colon.	Canal Zone.	Total.
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>				
Acute nephritis.....	1	.....	2	3
Bright's disease (chronic nephritis).....	7	1	3	11
Other diseases of the kidney and annexa.....	1	.....	.....	1
Calculi of the urinary passages.....	.....	.....	1	1
Diseases of the urethra, urinary abscess, etc.....	1	.....	.....	1
Hypertrophy of prostate.....	1	.....	.....	1
<i>The puerperal state.</i>				
Accidents of pregnancy.....	.....	1	.....	1
Abortion.....	1	.....	.....	1
Puerperal septicemia.....	.....	.....	1	1
<i>Malformations.</i>				
Congenital malformations (stillbirth not included).....	.....	.....	1	1
<i>Diseases of early infancy.</i>				
Congenital debility, icterus, and sclerema.....	.....	1	1	2
Premature birth.....	1	.....	.....	1
Congenital debility.....	2	2	2	6
Malnutrition.....	3	3	6	12
Other causes peculiar to early infancy (including various consequences of labor).....	3	1	1	5
Lack of care.....	.....	.....	1	1
<i>Old age.</i>				
Senility.....	.....	.....	1	1
<i>Affections produced by external causes.</i>				
Suicide by hanging or strangulation.....	.....	.....	1	1
Suicide by drowning.....	.....	.....	1	1
Suicide by cutting or piercing instruments.....	.....	.....	1	1
Other acute poisonings.....	1	.....	.....	1
Accidental drowning.....	4	.....	2	6
Traumatism by firearms.....	2	.....	.....	2
Traumatism in mines and quarries.....	.....	.....	1	1
Traumatism by machines.....	1	1	.....	2
Traumatism by other crushings (vehicles, railroads, landslides, etc.).....	1	.....	.....	1
Railroad traumatism.....	2	.....	2	4
Lightning.....	.....	.....	1	1
<i>Ill-defined diseases.</i>				
Sudden death.....	1	1	.....	2
Cause of death not specified or ill-defined.....	2	.....	.....	2
Infections of undetermined origin.....	1	.....	1	2
Total.....	133	39	60	232
Stillbirths.....	18	6	4	28
Grand total.....	151	45	64	260

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

[illegible]

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.										
	Employees.						Nonemployees.				
	Admissions.			Deaths.			Admissions.			Deaths.	
	White.			White.			White.			White.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.
<i>General diseases—Contd.</i>											
Cancer and other malignant tumors of the female genital organs.....											
Cancer and other malignant tumors of other organs and of organs not specified.....			1								
Other tumors (tumors of the female genital organs excepted).....	2	1						1			
Acute articular rheumatism.....		1									
Chronic rheumatism and gout.....							2				
Anemia secondary, cause not determined.....							1		1		1
Other general diseases.....											
Alcoholism, acute.....	2							2			
Alcoholism, chronic.....	2										
Alcoholic psychosis.....		1									
<i>Diseases of the nervous system and of the organs of special sense.</i>											
Simple meningitis.....									1		
Softening of the brain.....			1						1		2
Paralysis without specified cause.....			1								
Other forms of mental alienation.....			1						6		
Dementia precox.....			1								
Epilepsy.....	1										
Convulsions of infants (under 5 years of age).....								1			
Neuralgia.....							5	2			
Neuritis.....	2		1								
Other diseases of the nervous system.....	1		3								
Neurasthenia.....	1						4	2			
Diseases of the eyes and their annexa.....	4		15				2	4	5		
Follicular conjunctivitis.....											
Diseases of the ears.....	3		2				8	4			

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the circulatory system.</i>												
Pericarditis.....			1									
Organic diseases of the heart	2		2			1		1	2			
Arteriosclerosis.....	1								1			
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.).....	2											
Hemorrhoids.....	1		3					1	1			
Varicocele.....							2					
Diseases of the lymphatic system (lymphangitis, etc.).....								1				
Lymphadenitis (nonvenereal).....	5	1	4				3	1	1			
<i>Diseases of the respiratory system.</i>												
Diseases of the nasal fossæ.....	6	1					3	1	1			
Adenoid vegetations.....								1				
Diseases of the thyroid body.....												
Acute bronchitis.....	1		3					3	1			
Chronic bronchitis.....	2		1				2		1			
Broncho-pneumonia.....									2			1
Pneumonia (unqualified).....		1										
Lobar pneumonia.....			13			2		1				
Pleurisy.....	2		7					1	2			
Empyema.....								1				
Asthma.....			2					1				
Abscess of lungs.....	1											
<i>Diseases of the digestive system.</i>												
Diseases of the mouth and annexa.....	1						1					
Diseases of the teeth and gums.....			1				4					
Diseases of the pharynx.....	1	1	3					1	1			
Pharyngitis.....			2									
Follicular tonsillitis.....	4	1	2				7	7	3			
Other diseases of the stomach (cancer excepted).....	1							3				

HOSPITALS OF THE PANAMA CANAL, MONTH OF AUGUST, 1914—Con.

[illegible]

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.	Black.
<i>Diseases of the digestive system—Continued.</i>												
Acute gastritis.....	1	1	1									
Acute indigestion.....			2									
Diarrhea and enteritis (under two years).....								2	3			
Diarrhea and enteritis (two years and over).....	1		1				1	1				
Colitis.....	1		3									
Ankylostomiasis.....		1	1								1	
Acute appendicitis.....			2				3	3				
Chronic appendicitis.....	3						1	5				
Inguinal hernia.....	2	3	3				2	2				
Other hernias.....	1						2	2				1
Intestinal obstruction.....						1			1			
Other diseases of the in- testines.....	12						1	3				
Constipation.....	1		1					2				
Duodenal ulcer.....			1						1			
Other diseases of the liver.....												
Cholecystitis.....				1								
Simple peritonitis (non- puerperal).....												
Other diseases of the di- gestive system (cancer and tuberculosis excepted).....								1				
<i>Nonvenereal diseases of the genito-urinary system and annexa.</i>												
Acute nephritis.....	1		1	1		1	1					
Bright's disease (chronic nephritis).....	3		1			2	3				1	
Other diseases of the kidney and annexa.....								2	1			1
Pyelo-nephrosis.....	1							4				
Calculi of the urinary pass- ages.....								2			1	
Diseases of the bladder.....									1			
Cystitis.....								4	1			
Diseases of the urethra, urinary abscess, etc.....			1									
Stricture of the urethra, nonvenereal.....	1	1										
Hypertrophy of prostate.....								2				

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.										
	Employees.						Nonemployees.				
	Admissions.			Deaths.			Admissions.			Deaths.	
	White.			White.			White.			White.	
	Americans.	Europeans.	Black.	Americans.	Europeans.	Black.	Soldiers.	Others.	Black.	Soldiers.	Others.
<i>Nonvenereal diseases of the genito-urinary system and annexa—Continued.</i>											
Nonvenereal diseases of the male genital organs.....	1		2				1	1			
Hydrocele.....			1								
Uterine hemorrhage (non-puerperal).....								2			
Uterine tumor (non-cancerous).....								2	1		
Other diseases of the uterus.....								6	2		
Cysts and other tumors of the ovary.....								3	6		
Salpingitis and other diseases of the female genital organs.....			1					2	9		
<i>The puerperal state.</i>											
Normal labor.....								14	1		
Accidents of pregnancy.....								5	1		1
Inc. extra-uterine pregnancy.....											
Inc. abortion.....								1		1	
Other accidents of labor.....								2			
Puerperal septichemia.....										1	
Puerperal albuminuria and convulsions.....								1			
<i>Diseases of the skin and of the cellular tissue.</i>											
Gangrene.....								1			
Furuncle.....	4		3				1				
Acute abscess.....			6				1		1		
Inc. phlegmon and cellulitis.....	1						1		1		
Pemphigus contagiosus.....							2				
Dhobie itch.....							2				
Ulcer of the skin.....	1		1					1	1		
Impetigo contagiosa.....							2	2			
Ingrowing nail.....	1						1	1			
Other diseases of the skin and annexa.....	2		2				4	2			

TABLE VII.—TABLE SHOWING ADMISSIONS AND DEATHS IN THE

Diseases.	Ancon Hospital.											
	Employees.						Nonemployees.					
	Admissions.			Deaths.			Admissions.			Deaths.		
	White.			White.			White.			White.		
	Americans.		Black.	Americans.		Black.	Soldiers.		Black.	Soldiers.		Black.
	Americans.	Europeans.		Americans.	Europeans.		Soldiers.	Others.		Soldiers.	Others.	
<i>Affections produced by external causes—Continued.</i>												
Starvation.....			1									
Electricity (lightning excepted).....	1											
Homicide by cutting or piercing instruments.....	1											
Fractures (cause not specified).....	1		6				2	3	1			
Dislocations.....			1									
Sprains.....	2	2	6				2					
Other external violence.....	10	2	64				3	3	6			
<i>Ill-defined diseases.</i>												
Ill-defined organic disease.....							1					
Infections of undetermined origin.....		2	2			1						
No disease.....			2					10	7			
Feigned disease.....			1									
Total.....	155	53	447	2	0	10	112	188	117	0	6	17

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.
[A=American; F=foreign; B=black.]

Hospitals.	Remaining Aug. 1.			Admitted.			Died.		
	A.	F.	B.	A.	F.	B.	A.	F.	B.
<i>Ancon Hospital.</i>									
Panama Canal employees.....	35	39	238	138	42	338	2	.....	7
Panama Railroad employees.....	7	9	69	17	11	106	.....	.....	3
Panama pay patients.....	.....	.....	1	.....	.....	1	.....	.....	.....
Other pay patients.....	76	44	45	208	68	83	4	2	10
Charity patients.....	12	4	22	13	10	23	.....	.....	5
Total.....	130	96	375	376	131	551	6	2	25
INSANE DEPARTMENT.									
Panama Canal employees.....	.....	5	20	.....	.....	1	.....	.....	.....
Panama Railroad employees.....	.....	.....	11	.....	.....	2	.....	.....	.....
Panama pay patients.....	.....	11	168	.....	1	9	.....	.....	2
Other pay patients.....	4	.....	6	.....	.....	.....	.....	.....	.....
Charity patients.....	5	4	72	.....	.....	1	.....	.....	.....
Total.....	9	20	277	.....	1	13	.....	.....	2
Grand total.....	139	116	652	376	132	564	6	2	27
COROZAL FARM.									
Panama Canal employees.....	.....	7	42	.....	1	6	.....	.....	.....
<i>Colon Hospital.</i>									
Panama Canal employees.....	1	7	21	9	17	68	.....	.....	1
Panama Railroad employees.....	1	.....	8	3	1	35	.....	.....	1
Panama pay patients.....	.....	.....	1	1	3	9	.....	.....	.....
Other pay patients.....	1	3	3	10	9	11	.....	.....	.....
Charity patients.....	1	.....	.....	.....	3	9	.....	.....	.....
Total.....	4	10	33	23	33	132	.....	.....	2
CHRONIC WARD.									
Charity patients.....	.....	.....	24	.....	.....	8	.....	.....	.....
<i>Palo Seco Leper Asylum.</i>									
Panama pay patients.....	.....	2	31	.....	.....	.....	.....	.....	1
Charity patients.....	.....	2	16	.....	.....	.....	.....	.....	.....
Total.....	.....	4	47	.....	.....	.....	.....	.....	1
<i>Grand total.</i>									
Panama Canal employees.....	36	58	321	147	60	413	2	.....	8
Panama Railroad employees.....	8	9	88	20	12	143	.....	.....	4
Panama pay patients.....	.....	13	201	1	4	19	.....	.....	3
Other pay patients.....	81	47	54	218	77	94	4	2	10
Charity patients.....	18	10	134	13	13	41	.....	.....	5
Total.....	143	137	798	399	166	710	6	2	30

¹ White.

Number of employees remaining in hospitals:

White..... 107

Colored..... 388

Total..... 495

TABLE VIII.—CONSOLIDATED HOSPITAL REPORT.
[A=American; F=foreign; B=black.]

Discharged.			Transferred.			Remaining Aug. 31.			Average number constantly sick.			
									White.		Black.	Total.
A.	F.	B.	A.	F.	B.	A.	F.	B.	Ameri- can.	For- eign.		
123	55	344	.....	1	4	48	25	221	44.10	28.03	218.58	290.71
15	17	99	.....	.....	1	9	3	72	7.39	5.42	67.80	80.61
.....	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.52	.52
205	79	81	.....	.....	.....	75	31	37	74.97	40.38	39.42	154.77
20	13	14	.....	.....	4	5	1	22	9.23	4.47	17.71	31.41
363	164	539	.....	1	10	137	60	352	135.69	78.30	344.03	558.02
.....	.....	2	.....	.....	3	.....	5	16	.....	5.00	18.87	23.87
.....	.....	.....	.....	.....	4	.....	.....	9	.....	.....	9.81	9.81
.....	.....	.....	.....	.....	8	.....	12	167	.....	11.42	167.19	178.61
.....	.....	.....	.....	.....	2	4	.....	4	4.00	.....	4.84	8.84
.....	.....	1	.....	.....	11	5	4	61	5.00	4.00	66.35	75.35
.....	.....	3	.....	.....	28	9	21	257	9.00	20.42	267.06	296.48
363	164	542	.....	1	38	146	81	609	144.69	98.72	611.09	854.50
.....	.....	1	.....	.....	.....	.....	8	47	.....	7.58	43.16	50.74
4	18	54	2	1	13	4	5	21	1.87	4.29	20.96	27.12
4	1	23	.....	.....	17	.....	.....	2	1.35	.09	5.70	7.14
.....	2	6	.....	.....	2	1	1	2	.61	.41	1.58	2.60
9	9	8	2	1	3	.....	.....	3	1.83	2.61	2.19	6.63
1	.....	5	.....	3	2	.....	.....	2	.....	.22	.64	.86
18	30	96	4	5	37	5	8	30	5.66	7.62	31.07	44.35
.....	.....	1	.....	.....	.....	.....	.....	31	.....	.....	30.22	30.22
.....	.....	.....	.....	.....	.....	.....	2	30	.....	2.00	31.45	33.45
.....	.....	.....	.....	.....	.....	.....	2	16	.....	2.00	14.77	16.77
.....	.....	.....	.....	.....	.....	.....	4	46	.....	4.00	46.22	50.22
127	73	401	2	2	20	52	43	305	45.97	44.90	301.57	392.44
19	18	122	.....	.....	22	9	3	83	8.74	5.51	83.31	97.56
.....	2	7	.....	.....	11	1	15	199	.61	13.83	200.74	215.18
214	88	89	2	1	5	79	33	44	80.80	42.99	46.45	170.24
21	13	21	.....	3	17	10	7	132	14.23	10.69	129.69	154.61
351	194	640	4	6	75	151	101	763	150.35	117.92	761.76	1,030.03

TABLE IX.—CONSOLIDATED DISPENSARY REPORT.

Stations.	Employees treated in quarters.														
	Re-main-ing Aug. 1.		Ad-mitted.		Died.		Dis-charged.		Trans-ferred.		Re-main-ing Aug. 31.		Days lost.		
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	Total.
Ancon.....	5	14	99	119	.....	.....	92	119	9	7	3	7	188	373	561
Naos Island...	.....	2	1	15	.....	1	1	9	.....	7	.....	.....	6	28	34
Balboa.....	2	1	61	24	.....	.....	45	11	17	12	1	2	99	47	146
Corozal.....	6	.....	88	1	.....	.....	84	1	5	.....	5	.....	127	4	131
Pedro Miguel..	.....	.....	11	.....	.....	.....	11	.....	.....	.....	.....	.....	12	.....	12
Paraiso.....	3	.....	17	1	.....	.....	16	.....	3	1	1	.....	87	1	88
Culebra.....	.....	2	9	18	.....	.....	8	20	1	.....	.....	.....	13	47	60
Empire.....	.....	1	19	12	.....	.....	19	13	.....	.....	.....	.....	38	85	123
Gatun.....	1	.....	24	9	.....	.....	22	7	.....	1	3	1	64	41	105
Cristobal Colon.....	9	21	85	60	.....	.....	90	72	.....	.....	4	9	212	398	610
Margarita Point.....	.....	.....	.....	4	.....	.....	.....	.....	.....	4	.....	.....	.....	2	2
Total...	26	41	414	263	.....	1	388	252	35	32	17	19	846	1,026	1,872

Stations.	All cases treated but not excused.								
	Employees.			Nonemployees.			Total.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
Ancon.....	1,690	2,577	4,267	1,169	1,546	2,715	2,859	4,123	6,982
Naos Island..	89	1,004	1,093	.....	.....	.....	89	1,004	1,093
Balboa.....	3,724	3,960	7,684	134	169	303	3,858	4,129	7,987
Corozal.....	2,304	1,487	3,791	637	72	709	2,941	1,559	4,500
Pedro Miguel	444	946	1,390	482	135	617	926	1,081	2,007
Paraiso.....	626	1,151	1,777	295	303	598	921	1,454	2,375
Culebra.....	302	553	855	197	301	498	499	854	1,353
Empire.....	412	657	1,069	274	247	521	686	904	1,590
Gamboa.....	59	150	209	25	318	343	84	468	552
Gatun.....	711	1,298	2,009	682	394	1,076	1,393	1,692	3,085
Cristobal Colon.....	691	1,800	2,491	384	326	710	1,075	2,126	3,201
Margarita Point.....	104	375	479	.....	.....	.....	104	375	479
Total..	11,156	15,958	27,114	4,279	3,811	8,090	15,435	19,769	35,204

CONSOLIDATED ADMISSION REPORT.

	White.	Colored.	Total.
Total admissions to hospitals, excluding Corozal Farm and Colon chronic ward.....	564	696	1,260
Total admissions of employees to quarters.....	414	263	677
Total.....	978	959	1,937
Less number of patients transferred between hospitals and from quarters to hospitals whose admissions are duplicated in above figures.....	45	107	152
Net admissions to hospitals and quarters....	933	852	1,785
Net admissions of employees to hospitals and quarters.....	613	739	1,352
Annual average per thousand of admissions of employees to hospitals and quarters.....	1,075.75	237.79	367.62

TABLE X.—AVERAGE NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:			
Ancon Hospital.....	89.94	315.06	405.00
Colon Hospital.....	7.60	26.66	34.26
Total.....	97.54	341.72	439.26
Quarters:			
Ancon.....	6.06	12.03	18.09
Naos Island.....	.19	.90	1.09
Balboa.....	3.19	1.51	4.70
Corozal.....	4.09	.13	4.22
Pedro Miguel.....	.39		.39
Paraiso.....	2.81	.03	2.84
Culebra.....	.42	1.52	1.94
Empire.....	1.22	2.74	3.96
Gatun.....	2.06	1.32	3.38
Cristobal Colon.....	6.84	12.84	19.68
Margarita Point.....		.06	.06
Total.....	27.27	33.08	60.35

	Hospitals.	Quarters.	Total.
Average number of employees constantly sick:			
White.....	97.54	27.27	124.81
Colored.....	341.72	33.08	374.80
Total.....	439.26	60.35	499.61
Average number of employees constantly sick per 1,000:			
White.....	14.26	3.99	18.25
Colored.....	9.16	.89	10.05
Total.....	9.95	1.37	11.32

TABLE XI.—AVERAGE NUMBER OF DAYS' TREATMENT PER EMPLOYEE IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
<i>Hospitals.</i>			
Ancon Hospital.....	11.87	19.03	16.79
Colon Hospital.....	7.07	9.75	9.17
<i>Quarters.</i>			
Ancon.....	1.90	3.48	2.78
Naos Island.....	6.00	1.82	2.06
Balboa.....	1.59	1.61	1.60
Corozal.....	1.49	4.00	1.52
Pedro Miguel.....	1.09	.....	1.09
Paraiso.....	3.21	1.00	3.10
Culebra.....	1.44	2.40	2.10
Empire.....	2.00	7.23	4.12
Gatun.....	4.64	5.13	4.90
Cristobal-Colon.....	2.53	6.48	4.38
Margarita Point.....	.....	.50	.50

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	June, 1914.	May, 1914.	June, 1913.
<i>Administration:</i>			
Chief health office.....	\$2,603.12	\$1,958.88	\$6,176.62
<i>Hospital division:</i>			
Ancon Hospital.....	72,217.52	41,894.99	44,095.92
Corozal farm.....	1,410.66	1,391.77	1,035.67
Colon Hospital.....	5,988.15	2,404.81	14,235.11
Chronic ward.....	249.54	248.80	.....
Taboga Sanitarium.....	.....	.....	2,396.98
Palo Seco Leper Asylum.....	1,598.36	1,159.32	1,091.63
Santo Tomas Hospital.....	930.00	925.00	772.50
Medical storehouse.....	.....	.....	783.94
Construction and repairs to buildings.....	1,084.23	1,800.41	2,742.90
Total.....	83,478.46	49,825.10	67,154.65
<i>Dispensaries:</i>			
Naos Island.....	397.92	260.89	263.92
Balboa.....	2,366.64	821.49	629.11
Tivoli.....	.....	.....	655.35
Corozal.....	1,983.53	535.40	696.89
Miraflores.....	.....	.....	422.18
Pedro Miguel.....	927.44	417.69	503.78
Paraiso.....	1,365.08	612.28	476.68
Culebra.....	1,988.46	660.83	890.80
Empire.....	2,127.71	703.75	939.68
Las Cascadas.....	.....	.....	460.44
Gamboia.....	371.68	131.04	.....
Bas Obispo.....	.....	.....	853.47
Gorgona.....	.....	.....	699.58
Gatun.....	1,447.93	664.43	1,360.71
Cristobal.....	2,656.82	995.29	1,032.51
Margarita Point.....	289.50	119.84	112.76
Toro Point.....	.....	241.57	402.83
Porto Bello.....	.....	.....	402.91
Total.....	15,922.71	6,164.50	10,809.60

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH—
Continued.

	June, 1914.	May, 1914.	June, 1913.
Sanitary Division:			
General inspector.....	\$225.00	\$80.00	\$325.00
Health office, Panama.....	3,005.03	2,981.54	3,077.94
Street cleaning.....	5,483.65	4,416.01	833.34
Health office, Colon.....	2,149.69	2,348.70	1,862.47
Street cleaning.....	1,820.53	1,758.32	1,602.88
Zone sanitation—			
Ancon.....	2,517.05	2,258.74	2,096.59
Balboa.....	3,102.41	1,266.83	1,725.50
Corozal.....	2,268.03	1,410.94	1,733.43
Miraflores.....			3,680.53
Pedro Miguel.....	1,930.08	1,369.91	2,400.83
Paraiso.....	1,324.31	1,342.42	1,918.51
Culebra.....	1,677.49	1,082.41	2,336.16
Empire.....	2,854.37	1,887.13	4,413.99
Las Cascadas.....			2,059.31
Bas Obispo.....			874.39
Matachin.....			1,061.70
Gorgona.....			1,645.88
Frijoles.....	65.00	65.00	444.80
Gatun.....	3,173.70	2,192.57	6,045.77
Cristobal and Mount Hope.....	2,606.38	2,383.06	3,298.86
Porto Bello.....			315.77
Total.....	34,202.72	26,843.58	44,253.65
Quarantine division.....	4,487.37	4,251.20	5,381.03
<i>Recapitulation.</i>			
Chief health office.....	2,603.12	1,958.88	6,176.62
Hospital division.....	83,478.46	49,825.10	67,154.65
Dispensaries.....	15,922.71	6,164.50	10,809.60
Sanitary division.....	34,202.72	26,843.58	44,253.65
Quarantine division.....	4,487.37	4,251.20	5,381.03
Grand total.....	140,694.38	89,043.26	133,775.55

NOTE.—June, 1914, figures include payments for accumulated leave.

TABLE XIII.—ANCON HOSPITAL.
REPORT OF NATIONALITY OF PATIENTS TREATED.

Class.	Total number treated.	Americans.		Other nations.	
		W.	B.	W.	B.
Hospital:					
Panama Canal employees.....	830	173	.....	81	576
Panama Railroad employees.....	219	24	.....	20	175
Panama pay patients.....	1	.....	.....	.....	1
Other pay patients.....	525	284	.....	112	129
Charity patients.....	84	25	.....	14	45
Total.....	1,659	506	.....	227	926

REPORT OF NATIONALITY OF PATIENTS TREATED—Continued.

Class.	Total number treated.	Americans.		Other nations.	
		W.	B.	W.	B.
Asylum:					
Panama Canal employees.....	26	.....	.....	5	21
Panama Railroad employees.....	13	.....	.....		13
Panama pay patients.....	189	.....	.....	12	177
Other pay patients.....	10	4	.....	.....	6
Charity patients.....	82	5	.....	4	73
Total.....	320	9	.....	21	290
Grand total.....	1,979	515	.....	248	1,216

REPORT OF DAYS LOST IN HOSPITAL.

	Total.	American.	Foreign white.	Black.
Hospital:				
Panama Canal employees.....	9,012	1,367	869	6,776
Panama Railroad employees.....	2,499	229	168	2,102
Panama pay patients.....	16	.....	.....	16
Other pay patients.....	4,798	2,324	1,252	1,222
Charity patients.....	968	286	139	543
Total.....	17,293	4,206	2,428	10,659
Asylum:				
Panama Canal employees.....	740	.....	155	585
Panama Railroad employees.....	304	.....	.....	304
Panama pay patients.....	5,537	.....	354	5,183
Other pay patients.....	274	124	.....	150
Charity patients.....	2,336	155	124	2,057
Total.....	9,191	279	633	8,279
Grand total.....	26,484	4,485	3,061	18,938

Cost of subsistence per patient per day, \$0.27.

WARD LABORATORY REPORT.

Blood examinations.....	732
Estivoautumnal.....	142
Mixed.....	2
Quartan.....	5
Tertian.....	23
Differential counts.....	84
Hemoglobin estimations.....	59
Leucocyte counts.....	119
Red blood counts.....	10
Stool examinations.....	687
Ameba.....	3
Ascaris lumbricoides.....	12
Balantidium coli.....	1

Stool examinations—Continued.

Ciliated monads.....	5
Entameba (hystolitica and tetragena).....	5
Guaiac tests.....	16
Pus and blood.....	95
Strongloides.....	17
Tricocephalus dispar.....	35
Uncinaria (ova).....	49

Urine examinations..... 1,577

Albumen.....	576
Bile.....	16
Casts.....	377
Ciliated monads.....	1
Epithelia.....	90
Guaiac tests.....	5
Indicon.....	41
Pus and blood.....	379
Sugar (Pos. 2; neg. 13).....	15

Sputum examinations..... 178

Positive for tubercle bacilli.....	25
------------------------------------	----

Smear examinations..... 21

Urethral.....	8
Vaginal.....	4
Eye.....	4

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Thigh.....	1	
Leg.....	2	
Operations on bones:		
Ostectomy.....	4	
Fractures, simple.....	1	
Fractures, open reduction.....	2	
Adenectomy:		
Cervical.....	1	
Inguinal, single.....	16	
Inguinal, double.....	2	
Femoral.....	1	
Herniotomy:		
Inguinal, single.....	6	
Inguinal, double.....	2	
Ventral.....	2	
Strangulated.....	1	
Genito-urinary tract:		
Nephrectomy.....	1	
Nephropoxy.....	1	
Urethrotomy, internal.....	3	
Urethrotomy, external.....	5	1
Prostatectomy.....	1	
Hydrocele, single, radical cure.....	2	
Hydrocele, double, radical cure.....	1	
Epididymotomy.....	12	
Curetage uteri.....	5	
Vaginal punctures.....	3	
Obstetrical:		
Cesarian section, abdominal.....	1	
Low forceps.....	1	
Perineorrhaphy.....	1	
Thorax:		
Thoracotomy.....	1	
Rectum:		
Hemorrhoids, radical cure.....	7	
Prolapsus rectum, radical excision.....	2	

REPORT OF SURGICAL OPERATIONS—Continued.

	Number.	Died.
General:		
Tenorrhaphy.....	1	
Excision of surface neoplasms.....	7	
Plastic operation for severe injuries.....		1
Plastic operation for effects of disease.....	3	
Skin graft.....	1	
Mayo bunion, bilateral.....	1	
Laparotomy:		
Exploratory.....	1	
Gastro-enterostomy.....	1	
Enterectomy.....		1
Appendectomy.....	9	
Appendectomy with local peritonitis.....	3	1
Cholecystostomy.....	2	
Cholecystectomy.....	3	1
Supravaginal hysterectomy.....	4	
Hysteromyomectomy.....	3	
Suspensio uteri.....	1	
Plastic operation for chronic pelvic peritonitis.....	5	
For ectopic gestation.....	2	
Various other major operations.....	3	
Various minor operations.....	80	1
Total.....	223	6

REPORT OF OPERATIONS, EYE AND EAR DEPARTMENT.

	Number.
Adenoidectomy.....	12
Cataract extraction, senile.....	6
Cataract extraction, traumatic.....	1
Capsulectomy.....	3
Pterygium transplantation.....	11
Pterygium excision.....	3
Submucous resection.....	9
Sublingual abscess, incised.....	2
Plastic on eyelid.....	1
Plastic on nose.....	2
Mastoidectomy.....	1
Polypi, nasal, snared.....	1
Resection of internal rectus.....	1
Iridectomy.....	1
Tonsillectomy.....	18
	72
Various minor operations:	
Eye.....	20
Ear.....	12
Nose and throat.....	10
	42
Total.....	114
Total number of outside cases treated.....	923
Refractions.....	143

OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescriptions.
Medical.....	267	234	64	276
Surgical.....	421	245	28	104
Eye and ear.....	923	398	26	420
Total.....	1,611	877	118	800

REPORT OF THE BOARD OF HEALTH LABORATORY.

Bacteriological examinations of—		Chemical analysis of—Continued.	
Blood cultures.....	13	Milk from private dairies supplying city of Panama.....	10
Throat cultures.....	23	Dairy feed.....	9
Urine cultures.....	319	Flour, for chief quarantine officer.....	2
Stool cultures.....	347	Drugs and chemicals for purity.....	31
Pus.....	4	Rat poison, for police division.....	1
Sputum.....	1	Stomach contents.....	3
Cultures from autopsies.....	5	Urine.....	4
Knee fluid.....	1	Urinary calculus.....	1
Fluid from gall bladder.....	1	Mother's milk.....	2
Curettage.....	2	Surgical tissues and neoplasms reported.....	40
Placenta.....	1	Autopsies performed.....	31
Eye cultures.....	2	Bodies embalmed.....	6
Milk, Ancon Hospital dairy.....	1	Animals examined or under observation.....	2
Autogenic vaccines prepared.....	1	Rats examined.....	1,036
Wassermann reactions.....	193		
Pathological tissues prepared, paraffin.....	291		
Chemical analysis of—			
Hospital dairy milk.....	1		

REPORT OF OPERATIONS OF HOSPITAL FARM, COROZAL.

Expenditures:	
Supervision.....	\$200.00
Labor.....	533.40
Subsistence of labor.....	362.83
Quartermaster, team service.....	47.14
Electric lights.....	3.90
Ice.....	.90
Material and supplies.....	113.80
Total.....	<u>\$1,261.97</u>
Receipts:	
Transfer and services rendered.....	52.68
Products sold—	
16,470 okras.....	\$82.02
3,190 mangoes.....	58.86
152 dozen eggs.....	91.20
39 dozen roses.....	19.50
18 dozen ears corn.....	3.60
174½ pounds tomatoes.....	9.85
89 pounds sweet peppers.....	5.19
114 pounds papayas.....	2.57
337 bunches radishes.....	12.40
315 bunches spinach.....	5.79
10 bunches bananas.....	2.50
50 heads lettuce.....	1.15
8 settings eggs (112).....	12.00
7 hogs.....	154.00
42 guinea pigs.....	27.00
5 ferns.....	1.75
40 loads grass.....	40.00
Pasturage.....	20.90
Burial.....	3.20
Total.....	<u>553.48</u>
	606.16
Net running expenses.....	655.81
Number of days' treatment.....	1,573
Net cost per patient per day.....	<u>\$0.4169</u>

**STATEMENT OF COMMITMENTS, DEATHS, AND DISCHARGES,
ANCON HOSPITAL INSANE ASYLUM.**

Commitments.

	Male.	Female.
From the Canal zone:		
Received on first commitment.....	3	.....
Received on second commitment.....	1	1
From the Panama Government:		
Received on first commitment.....	15	4
Total.....	9	5

¹ Returned from hospital.

Discharges.

Nationality.	Well.		Improved.		Unimproved.	
	Male.	Female.	Male.	Female.	Male.	Female.
Jamaica.....					{ ¹ 10 2 1 }	{ 1 10
Panama.....					1	.....
Barbados.....					16	.....
Montserrat.....	1	.....				.....
Germany.....	1	.....				.....
Guadeloupe.....					3 1	.....
Total.....	2	.....			19	10

¹ Deported.

² Eloped.

³ Transferred to hospital.

Deaths.

Physical diagnoses.	Mental diagnoses.	
	Psychoses accompanying other brain or nervous diseases.	Dementia praecox.
Tuberculosis of the lungs (female).....	.....	1
Softening of the brain (female).....	1	.....

TABLE XIV.—COLON HOSPITAL.

NATIONALITY OF PATIENTS.

	White, Ameri- can.	White, foreign.	Black.	Total.
Panama Canal employees.....	10	24	89	123
Panama Railroad employees.....	4	1	43	48
Panama (pay).....	1	3	10	14
Pay (private).....	11	12	14	37
Charity cases.....	1	3	9	13
Total.....	27	43	165	235

Cost of subsistence per patient per day, \$0.35.

LABORATORY REPORT.

Blood examinations.....	103
Estivo autumnal.....	49
Tertian.....	4
White blood counts.....	2
Differential counts.....	1
Stool examinations.....	4
Negative.....	4
Urine examinations.....	123
Casts.....	21
Albumin.....	32
Pus and blood.....	31

SURGICAL OPERATIONS.

I. Amputations:	
1. Shoulder (died, 2).....	2
3. Forearm.....	1
II. Operations on bones:	
26½. Bone plate (comp.).....	2
IV. Herniotomy:	
32. Inguinal, single.....	1
37. Strangulated.....	1
V. Genito-urinary tract:	
45. Urethrotomy, external.....	1
48. Hydrocele, single, radical cure.....	1
IX. General:	
80. Thyroidectomy.....	1
87. Gunshot wound of soft parts, operation for.....	1
X. Laparotomy:	
103. Appendectomy.....	5
117. Splenectomy.....	1
119. Supravaginal hysterectomy.....	1
122. Salpingectomy, single.....	1
123. Salpingectomy, double.....	1
124. Salpingo-oophorectomy.....	1
127. Suspensio-uteri.....	2
133. Rupture of spleen.....	1
137. Minor operations, various.....	13

TABLE XV.—PALO SECO LEPER ASYLUM.

REPORT OF NATIONALITY OF PATIENTS.

Class.	Number treated.		Americans.		Other nations	
	W.	C.	W.	C.	W.	C.
Pay cases.....	2	31	.....	.....	2	31
Charity cases.....	2	16	.....	.....	2	16
- Total.....	4	47	.....	.....	4	47

Cost of subsistence, per patient, per day, \$0.23.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Reinain- ing Aug. 1.	Ad- mitted.	Dis- charged.	Died.	Reinain- ing Aug. 31.
Pay cases.....	30	117	97	2	48
Charity cases.....	330	829	753	54	352
Total.....	360	946	850	56	400

Average number of patients constantly sick..... 379

Total number of days' treatment..... 11,686

Average number of days' treatment per patient..... 9

Cost of subsistence, per patient, per day..... \$0.2435

NATIONALITY.

Class.	Number treated.	Americans.		Other nations.	
		W.	C.	W.	C.
Pay cases.....	147	.....	.....	63	84
Charity cases.....	1,159	.....	.....	86	1,073
Total.....	1,306	.....	.....	149	1,157

DISPENSARY REPORT.

Class.	White.	Colored.	Total.
Natives.....	201	186	387
Foreigners.....	267	312	579
Total.....	468	498	966

DISEASES TREATED.

Typhoid fever.....	3	Diarrhea and enteritis.....	22
Malaria.....	98	Intestinal parasites.....	6
Malarial fever, estivo-autumnal.....	57	Appendicitis and typhlitis.....	6
Malarial fever, tertian.....	2	Hernia, intestinal obstructions.....	13
Malarial fever, clinical.....	112	Cirrhosis of the liver.....	6
Scarlet fever.....	1	Simple peritonitis (nonpuerperal)...	1
Diphtheria and croup.....	3	Other diseases of the digestive system (cancer and tuberculosis excepted).....	3
Influenza.....	15	Acute nephritis.....	17
Dysentery.....	2	Diseases of the bladder.....	9
Erysipelas.....	2	Other diseases of the uterus.....	15
Purulent infection and septicemia.....	19	Salpingitis, and other diseases of the female genital organs.....	2
Tetanus.....	1	Normal labor.....	89
Pellagra.....	3	Accidents of pregnancy.....	15
Beriberi.....	3	Abortion.....	3
Tuberculosis of the lungs.....	24	Other accidents of labor.....	1
Syphilis.....	41	Eclampsia.....	1
Gonorrhea.....	36	Furuncle.....	3
Cancer and other malignant tumors of the breast.....	10	Acute abscess.....	11
Acute articular rheumatism.....	20	Other diseases of the skin and annexa.....	27
Alcoholism (acute or chronic).....	9	Diseases of the bones (tuberculosis excepted).....	5
Other forms of mental alienation.....	4	Newborn child.....	84
Other diseases of the nervous system.....	6	Burns (conflagration excepted).....	2
Diseases of the eyes and their annexa.....	1	Traumatism by other crushings (vehicles, railroads, landslides, etc.)...	25
Acute endocarditis.....	4	Fractures (cause not specified).....	8
Organic diseases of the heart.....	9	No disease.....	20
Arteriosclerosis.....	3		
Hemorrhoids.....	1	Total.....	920
Diseases of the larynx.....	2		
Chronic bronchitis.....	24		
Pneumonia (unqualified).....	9		

SURGICAL OPERATIONS.

	Number.	Died.
Ostectomy.....	1	
Wiring of fractures, simple.....	1	
Adenectomy, inguinal, single.....	1	
Herniotomy, inguinal, single.....	3	
Herniotomy, inguinal, double.....	2	
Urethrotomy, internal.....	3	
Urethrotomy, external.....	4	
Varicocele, radical cure.....	1	
Amputation of penis.....	1	
Curetage uteri.....	3	
Hemorrhoids, radical cure.....	1	
Fistula in anus, excision of.....	1	
Laparotomy for tuberculosis peritonitis.....	1	1
Laparotomy, exploratory.....	3	
Enterorrhaphy.....	1	
Appendectomy.....	4	
Cholecystotomy.....	1	
Abscess of liver, laparo-hepatotomy for.....	1	
Splenectomy.....	1	
Panhysterectomy.....	2	
Supravaginal hysterectomy.....	1	
Salpingectomy, single.....	2	
Salpingectomy, double.....	3	
Salpingo-oophorectomy.....	8	
Oophorectomy.....	1	
Suspensio uteri.....	4	
Gunshot wound of abdomen.....	2	2
Minor operations.....	24	
Total.....	81	3

TABLE XVII.—SANITARY WORK DONE IN CANAL ZONE,
PANAMA, AND COLON.

The following is a summary of sanitary work performed and material expended during the month in the Canal Zone:

Work requests on quartermaster's department:	
Grass cutting.....	16
Screening.....	11
Miscellaneous.....	7
Work requests on engineering department.....	14
Notices served to abate nuisances.....	102
Arrests for violation of sanitary regulations.....	3
Convictions.....	2
Inspections of closets.....	2,753
Inspections of stores.....	113
Inspections of restaurants.....	10
Inspections of shops.....	174
Garbage cans emptied.....	114,712
Closets disinfected.....	4,202
Houses disinfected.....	18
Rat traps used daily.....	1,838
Adult Anopheles destroyed in houses.....	2,478
Adult culices destroyed in houses.....	10,396
Containers found with Stegomyia larvæ.....	1
Larvacide used.....	gallons.. 3,055
Crude oil used.....	do.. 20,005
Rats destroyed.....	949

SUMMARY OF ROUTINE WORK DONE BY THE HEALTH OFFICE, PANAMA, DURING AUGUST, 1914.

Mosquito work:	
Linear feet of ditches cleaned and maintained.....	45,520
Gallons larvacide used.....	641
Gallons crude oil used.....	155
Square yards pools oiled.....	63,005
Water containers treated.....	65,090
Mosquito-breeding places found.....	573
Fly-breeding places found.....	889
Garbage collections:	
Number loads garbage removed to dump.....	4,369
Total number of cans garbage emptied.....	106,931
Buildings:	
Number of buildings inspected.....	5,582
Number of plans for new buildings approved.....	26
Number of permits granted for repairs to old buildings.....	82
Total number of permits granted.....	108
Number of buildings condemned.....	131
Number of buildings demolished.....	28
Street cleaning:	
Average number of square yards cleaned daily.....	600,000
Average number of square yards streets sprinkled daily.....	90,000
Number of private properties cleaned during month.....	3
Number of notices served and nuisances abated.....	247
Vaccinations:	
Total number of vaccinations since Apr. 1, 1914.....	5,186

**GENERAL WORK REPORT FOR COLON, CRISTOBAL, MOUNT HOPE,
AND MINDI ISLAND.**

HEALTH OFFICE,
Cristobal, August 31, 1914.

Sanitation, general, Colon:

Square yards street cleaned.....	4,050,625
Number of doses of quinine issued.....	7,390
Square yards alleys maintained.....	701,870
Loads, garbage (cubic yards).....	498
Private properties cleaned.....	47
Number of rats killed.....	59
Number of dogs killed.....	85
Number of cans, garbage (2,230 cubic yards).....	67,200
Length, yards, ditches maintained.....	3,055
Parkway and E Street maintained.....	
Square yards oiled.....	19,200
Number of receptacles treated.....	28,300
Number of mosquito-breeding places destroyed.....	88
Number of fly-breeding places destroyed.....	92
Number of buildings inspected.....	3,189
Number of dogs caught.....	91
Gallons larvicide used.....	610
Number of nuisances abated.....	149
Colon dump maintained.....	

Buildings, Colon:

Number of plans approved.....	5
Number of permits to occupy issued.....	4
Number of permits to repair issued.....	60

Sewers, Colon, as reported by division of municipal engineer:

Number of new connections made during month.....	5
Total number of connections made to date.....	1,153
Number of houses in which extensions were made.....	7
Number of outstanding permits.....	33

Sanitation, Cristobal:

Square yards oiled.....	3,600
Number of receptacles treated.....	5,800
Number of mosquito-breeding places destroyed.....	28
Number of fly-breeding places destroyed.....	6
Number of buildings inspected.....	550
Gallons larvicide used.....	58

Sanitation, Mount Hope:

Square yards oiled.....	90,000
Number of receptacles treated.....	19,250
Number of mosquito-breeding places destroyed.....	68
Number of mosquitoes killed in barracks (358 anopheles, 1,463 culices).....	1,821
Number of mosquitoes killed in married silver quarters (571 anopheles, 314 culices).....	885
Number of mosquitoes killed in cars (5,160 anopheles, 451 culices).....	5,611
Linear feet ditches maintained.....	19,693
Mount Hope cemetery maintained.....	
Gallons larvicide used.....	427
Gallons crude oil used.....	1,750

Sanitation, Mindi Island:

Square yards vegetation removed.....	11,075
Linear yards ditches constructed (1,275½ cubic yards).....	3,170

**TABLE XVIII.—QUARANTINE TRANSACTIONS AT THE PORTS OF
BALBOA AND PANAMA.**

Number of vessels inspected and passed.....	20
Number of vessels inspected and held in quarantine.....	11
Total number of vessels inspected.....	31
Number of vessels fumigated on arrival.....	9
Number of crew examined.....	2,364
Number of passengers from foreign ports examined and landed:	
Cabin.....	747
Steerage.....	176
Total number of persons examined.....	923
	3,287

Number of persons vaccinated at ports of arrival because of compulsory-vaccination law.....	36
Number of persons vaccinated at ports of departure or en route because of compulsory-vaccination law.....	514
Total number of persons vaccinated.....	550
Number of persons held in quarantine at the detention house to complete period of incubation for fever or plague.....	161
Number of persons held in quarantine on board vessels to complete period of incubation of yellow fever or plague.....	1,887
Total number of persons held under observation.....	2,048
Number of persons embarked for foreign ports:	
Cabin.....	332
Steerage.....	113
	445
Number of persons arriving from coast towns in small launches and sailing craft.....	1,094
Number of persons sailing for coast towns in small launches and sailing craft.....	1,611
Number of bills of health issued.....	38
Total number of persons landed.....	2,017
Total number of persons sailing.....	2,056
Apparent decrease for the month.....	39

QUARANTINE TRANSACTIONS AT THE PORTS OF COLON AND CRISTOBAL FOR THE MONTH OF AUGUST, 1914.

Number of vessels inspected and passed.....	87
Number of war vessels passed on certificate of medical officer.....	3
Number of vessels held in quarantine.....	3
Total number of vessels inspected.....	93
Number of vessels fumigated on arrival.....	1
Number of vessels fumigated on departure.....	2
Number of crew inspected.....	7,109
Number of passengers inspected (including 55 United States troops).....	4,336
Total number of persons inspected.....	11,445
Number of persons vaccinated in port of arrival.....	852
Number of persons vaccinated in ports of departure or en route.....	817
Total number of persons vaccinated.....	1,669
Number of persons detained in quarantine to complete period of incubation for yellow fever and plague.....	370
Number of persons detained on vessels.....	533
Total number of persons held under observation.....	903
Total number of persons landed from foreign ports:	
Cabin.....	1,308
Steerage.....	1,018
	2,326
Total number of persons embarked for foreign ports:	
Cabin.....	1,876
Steerage.....	1,629
	3,505
Number of persons in transit.....	1,270
Number of persons from coast towns (inspected).....	740
Number of persons from coast towns (not inspected).....	261
Number of persons leaving Colon for coast towns.....	235
Number of persons landed during month:	
For immigration report.....	3,082
For Pacific ports.....	245
	3,327
Number of bills of health issued.....	12
Number of bills of health viséd.....	53
Number of persons recommended for deportation.....	5
Total number of persons landed.....	3,327
Less number for Pacific ports.....	245
	3,082
Total number of persons sailing.....	3,740
Apparent decrease for month.....	658

QUARANTINE TRANSACTIONS AT THE PORTS OF BALBOA AND PANAMA AND COLON AND CRISTOBAL FOR THE MONTH OF AUGUST, 1914.

Number of vessels inspected and passed.....	107	
Number of war vessels passed on certificate of medical officer.....	3	
Number of vessels held in quarantine.....	14	
Total number of vessels entered.....		124
Number of vessels fumigated on arrival.....	10	
Number of vessels fumigated on departure.....	2	
Total number of vessels fumigated.....		12
Number of crew examined.....	9,473	
Number of passengers examined (including 55 United States troops).....	5,259	
Total number of persons examined.....		14,732
Number of persons vaccinated at ports of arrival because of compulsory-vaccination law.....	888	
Number of persons vaccinated at ports of departure or en route because of compulsory-vaccination law.....	1,331	
Total number of persons vaccinated.....		2,219
Number of persons held in quarantine at the detention houses to complete period of incubation of yellow fever and plague.....	531	
Number of persons held in quarantine on board vessels to complete period of incubation of yellow fever and plague.....	2,420	
Total number of persons held under observation.....		2,951
Total number of persons landed from foreign ports:		
Cabin.....	2,055	
Steerage.....	1,194	
		3,249
Total number of persons embarked for foreign ports:		
Cabin.....	2,208	
Steerage.....	1,742	
		3,950
Total number of persons arriving from coast towns on small launches and sailing craft.....	2,095	
Total number of persons sailing for coast towns on small launches and sailing craft.....	1,846	
Apparent increase for month from coast towns.....		249
Apparent decrease for month from foreign ports:		
Cabin.....	153	
Steerage.....	548	
		701
Number of immigrants recommended for deportation.....	5	
Number of bills of health issued or viséd.....	103	
Total number of persons landed.....	5,344	
Less number for Pacific ports.....	245	
	5,099	
Total number of persons sailing.....		5,796
Total apparent decrease for month.....	697	

IMMIGRATION REPORT FOR COLON.

From—	Cabin.	Steerage.
Europe.....	37	25
United States.....	697	39
Jamaica and West Indies.....	183	634
Venezuela.....	9	7
Colombia.....	51	131
Cuba.....	25	31
Guatemala.....	1	14
Costa Rica.....	91	106
Bocas del Toro.....	106	634
Coast towns.....	0	261
Total.....	1,200	1,882

Men.....	1,913
Women.....	620
Children.....	288
Unclassified.....	261
Total.....	3,082

QUARANTINE—BOCAS DEL TORO.

Number of vessels inspected and passed.....	28
Number of crew inspected and passed.....	1,436
Number of passengers inspected and passed.....	351
Number of passengers in transit inspected and passed.....	229
Number of persons held to complete period of incubation of yellow fever....	4
Number of persons held to complete period of incubation of plague.....	3

No quarantinable disease has appeared in this port, and the health conditions of the port and surrounding country are good.

TABLE XIX.—STATEMENT OF QUININE ISSUED.

	Kilos.
Quinine sulphate.....	9
Quinine sulphate tablets.....	2
Total.....	11
Pounds avoirdupois, 24.25.	

TABLE XX.—PERSONNEL REPORT.

	August, 1914.			July, 1914.	August, 1913.
	Officers and em- ployees.	Skilled and unskilled labor.	Total.	Total.	Total.
Chief health office.....	13	.....	13	16	32
Medical storehouse.....	4	4	8	8	9
Quarantine division.....	22	20	42	40	41
Health office:					
Panama.....	26	124	150	174	48
Colon.....	18	139	157	139	135
Ancon Hospital.....	260	116	376	372	556
Colon Hospital.....	26	11	37	33	184
Santo Tomas Hospital.....	5	.....	5	6	5
Taboga Sanitarium.....	.....	.....	.....	.....	20
Palo Seco Leper Asylum.....	10	8	18	18	15
Zone sanitation.....	21	97	118	126	206
Hospital farm ¹	1	50	51	49	.....
Dispensaries:					
Ancon.....	.....	.....	.....	.....	4
Balboa.....	6	.....	6	5	5
Bas Obispo.....	.....	.....	.....	.....	5
Corozal.....	4	.....	4	4	5
Cristobal.....	.....	.....	.....	6	6
Culebra.....	2	.....	2	4	6
Empire.....	5	.....	5	4	7
Gamboa.....	1	.....	1	1	.....
Gatun.....	4	.....	4	4	8
Las Cascada.....	.....	.....	.....	.....	4
Margarita Point.....	1	.....	1	1	1
Miraflores.....	.....	.....	.....	.....	3
Naos Island.....	1	.....	1	2	2
Paraiso.....	4	.....	4	4	4
Pedro Miguel.....	3	.....	3	3	4
Porto Bello.....	4
Toro Point.....	3
Total.....	437	569	1,006	1,019	1,322

¹ Included with Ancon Hospital.



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